Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/03/2021 10:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124211	-1	2.23	124119	2.27
Blue	F	SSC	125000	123855	-1	3.97	124255	3.85
Blue	E	FITC	14400	13944	-4	2.90	320	15.09
Blue	D	PE	24713	24589	-1	2.40	563	10.83
Blue	B	PerCP-Cy5-5	31796	31334	-2	3.64	1036	14.42
Blue	A	PE-Cy7	21240	21072	-1	5.55	564	29.06
Red	C	APC	41319	41017	-1	3.69	1714	11.35
Red	A	APC-Cy7	21019	20459	-3	4.11	765	11.42
Violet	B	V450	7305	7095	-3	3.66	430	12.35
Violet	A	V500	28652	27449	-5	3.18	687	9.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23172	2.36	562	-7	N/A	N/A	Pass
Blue	F	SSC	57589	2.56	517	5	N/A	N/A	Pass
Blue	E	FITC	58	50.63	490	-1	0.0422	0	Pass
Blue	D	PE	117	35.73	488	1	0.3797	238	Pass
Blue	B	PerCP-Cy5-5	191	35.14	584	0	0.0206	55	Pass
Blue	A	PE-Cy7	113	66.72	631	1	0.0220	0	Pass
Red	C	APC	396	23.43	574	1	0.0297	181	Pass
Red	A	APC-Cy7	172	26.96	545	0	0.0072	1394	Pass
Violet	B	V450	60	60.89	450	-6	0.0609	2078	Pass
Violet	A	V500	97	34.59	463	-7	0.0258	831	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.50	-31.36	1.09
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	19.78	15.99 - 23.99	N/A	N/A	29.86	29.98	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 15282

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments